

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. – 10. (Cancelled)

11. (Previously Presented) A substrate including a plurality of concave portions, the plurality of concave portions being formed on the substrate by an etching process so that the plurality of concave portions are randomly arranged on the substrate, the plurality of concave portions being used for manufacturing microlenses,

wherein a standard deviation that is obtained using a large number of distances between two arbitrary and adjacent concave portions is more than 3% of an average value of the large number of distances.

12. – 13. (Cancelled)

14. (Previously Presented) The substrate as claimed in claim 11, wherein the substrate has a usable area in which all of the plurality of concave portions are formed, and a ratio of an area occupied by all of the plurality of concave portions in the usable area to an entire usable area is at least 90% when viewed from a top of the substrate.

15. – 18. (Cancelled)

19. (Previously Presented) A microlens substrate including a plurality of microlenses arranged on the substrate in an optically random order, the microlens substrate being manufactured using the substrate with a plurality of concave portions defined by claim 11.

20. (Previously Presented) A transmission screen comprising the microlens substrate defined by claim 19.

21. (Previously Presented) The transmission screen as claimed in claim 20, further comprising a Fresnel lens portion with a Fresnel lens, the Fresnel lens portion having an emission face and the Fresnel lens being formed in the emission face wherein the microlens substrate is arranged on the emission face side of the Fresnel lens portion.

22. (Previously Presented) The transmission screen as claimed in claim 20, wherein the diameter of each of the microlenses is in a range of 10 to 500 μm .

23. (Previously Presented) A rear projector comprising the transmission screen defined by claim 20.

24. (Previously Presented) The rear projector as claimed in claim 23, further comprising:

a projection optical unit; and
a light guiding mirror.

25. – 38. (Cancelled)